ABSTRACT

Provided is an exhaust emission control device which can properly burn off soot and soluble organic fraction attached to and accumulated on electrodes of a plasma generator.

The exhaust emission control device with a post-processing device (catalyst regenerative particulate filter 10) for allowing exhaust gas to pass therethrough for gas purification incorporated in an exhaust pipe 9 of an internal combustion engine (diesel engine 1) comprises a plasma generator 11 arranged upstream of the post-processing device for discharging electricity in the exhaust gas 8 to generate plasma, flow-through type oxidation catalyst 12 arranged upstream of the plasma generator 11, fuel adding means (controller 17) arranged upstream of the oxidation catalyst 12 for adding fuel into the exhaust gas 8, temperature increasing means (suction throttling valve 22 or controller 17) for increasing the exhaust temperature to a level enough for oxidation reaction on the oxidation catalyst 12 of the fuel added by said fuel adding means.